

Data Path : Z:\HPCHEM1\BNA M\DATA\BM103017\
 Data File : BM012587.D
 Acq On : 30 Oct 2017 23:26
 Operator : SJ/JU
 Sample : I5886-05
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 ESNE5

Manual Integrations
 APPROVED

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 10/31/2017 7:47:18 PM

Quant Time: Oct 31 05:04:12 2017
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM102417.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue Oct 31 04:46:13 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.86	152	347851	20.00	ng/ul	0.00
18) Naphthalene-d8	10.65	136	1317261	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.49	164	752538	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.23	188	1700491	20.00	ng/ul	0.00
75) Chrysene-d12	21.40	240	2016801	20.00	ng/ul	0.00
83) Perylene-d12	23.70	264	2291153	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.35	96	24542	3.60	ng/uL	0.00
5) Phenol-d5	7.02	99	422424	14.54	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.19	67	279140	16.18	ng/ul	0.00
9) 2-Chlorophenol-d4	7.39	132	350685	16.11	ng/ul	0.00
13) 4-Methylphenol-d8	8.56	113	231055	9.30	ng/ul	0.00
19) Nitrobenzene-d5	9.01	128	169439	20.54	ng/ul	0.00
22) 2-Nitrophenol-d4	9.73	143	194320	22.86	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.27	165	354608	15.75	ng/ul	0.00
29) 4-Chloroaniline-d4	10.78	131	248861	10.48	ng/ul	0.00
43) Dimethylphthalate-d6	13.89	166	1036040	15.76	ng/ul	0.00
46) Acenaphthylene-d8	14.18	160	1289860	16.59	ng/ul	0.00
51) 4-Nitrophenol-d4	14.68	143	121609	12.44	ng/ul	0.00
57) Fluorene-d10	15.47	176	907506	16.31	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.60	200	110961	13.48	ng/ul	0.00
70) Anthracene-d10	17.33	188	1317137	16.25	ng/ul	0.00
76) Pyrene-d10	19.62	212	1509384	16.31	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.55	264	1706396	15.68	ng/ul	0.00

Target Compounds

					Ovalue	
6) Phenol	7.05	94	61688	2.039	ng/ul#	83
69) Phenanthrene	17.27	178	1385114	15.062	ng/ul	99
71) Anthracene	17.36	178	189299	1.992	ng/ul	98
72) Carbazole	17.63	167	155692	1.978	ng/ul	99
74) Fluoranthene	19.28	202	4408026	42.303	ng/ul#	91
77) Pyrene	19.64	202	3570217	31.129	ng/ul#	91
80) Benzo(a)anthracene	21.39	228	1873585	15.514	ng/ul	98
81) Bis(2-ethylhexyl)phthalate	21.32	149	69570	1.012	ng/ul	98
82) Chrysene	21.43	228	2217822	20.654	ng/ul	98
85) Benzo(b)fluoranthene	23.01	252	3578652	25.267	ng/ul#	98
86) Benzo(k)fluoranthene	23.04	252	1012601m	7.596	ng/ul	
88) Benzo(a)pyrene	23.60	252	2166836	16.046	ng/ul#	98
89) Indeno(1,2,3-cd)pyrene	26.03	276	1914133	12.044	ng/ul#	97
90) Dibenzo(a,h)anthracene	26.03	278	442454	3.284	ng/ul#	92
91) Benzo(g,h,i)perylene	26.74	276	1596753	12.397	ng/ul#	96

(#) = qualifier out of range (m) = manual integration (+) = signals summed

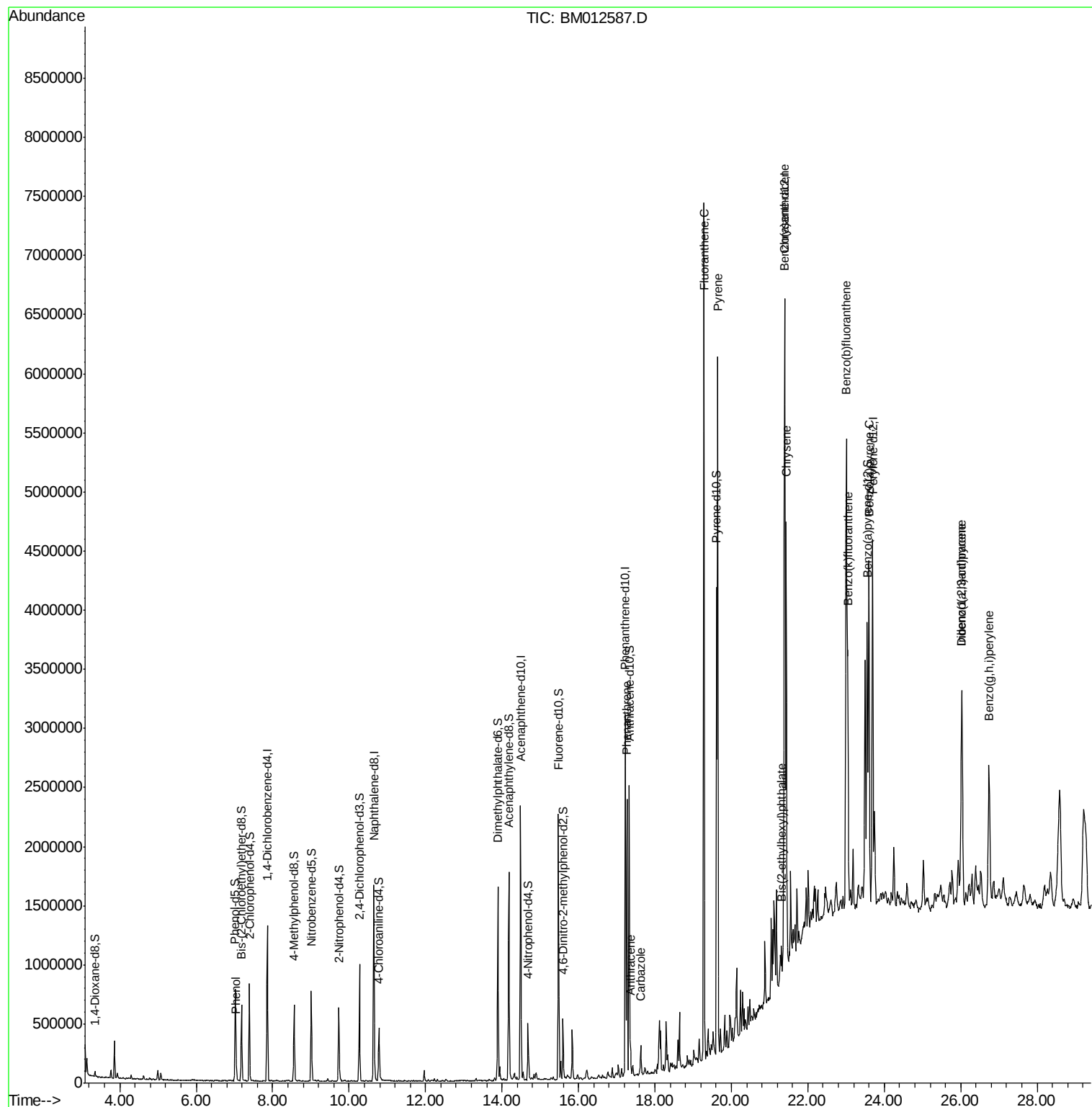
Data Path : Z:\HPCHEM1\BNA M\DATA\BM103017\
Data File : BM012587.D
Acq On : 30 Oct 2017 23:26
Operator : SJ/JU
Sample : I5886-05
Misc :
ALS Vial : 19 Sample Multiplier: 1

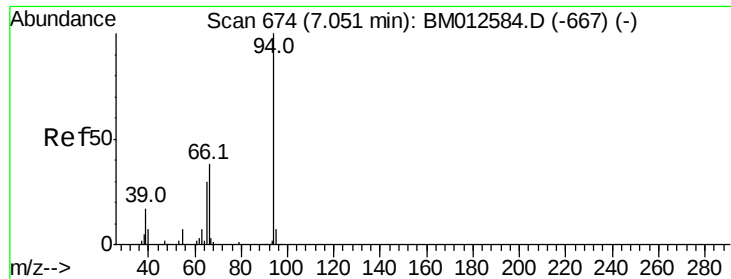
Instrument :
BNA_M
ClientSampleId :
ESNE5

Quant Time: Oct 31 05:04:12 2017
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM102417.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Oct 31 04:46:13 2017
Response via : Initial Calibration

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#6

Phenol

Concen: 2.039 ng/ul

RT: 7.05 min Scan# 674

Delta R.T. 0.00 min

Lab File: BM012587.D

Acq: 30 Oct 2017 23:26

Instrument :

BNA_M

ClientSampled :

ESNE5

Tot Ion: 94 Resp: 61688

Ion Ratio Lower Upper

94 100

65 27.1 28.2 42.4#

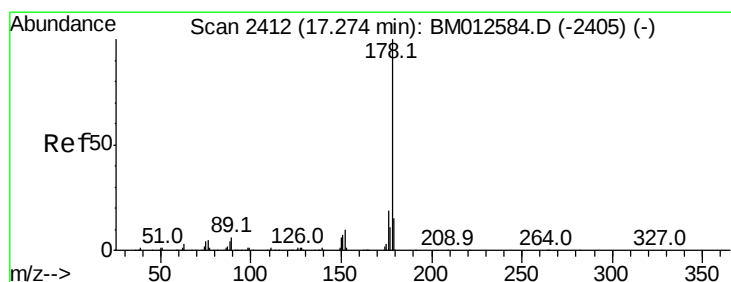
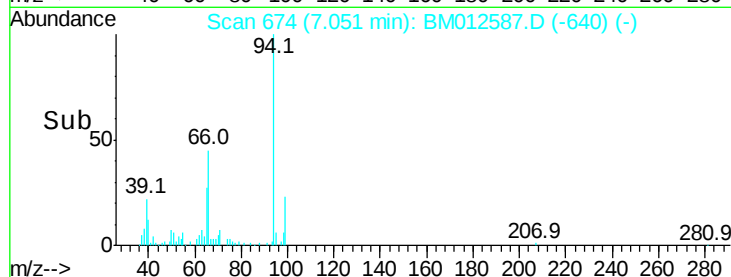
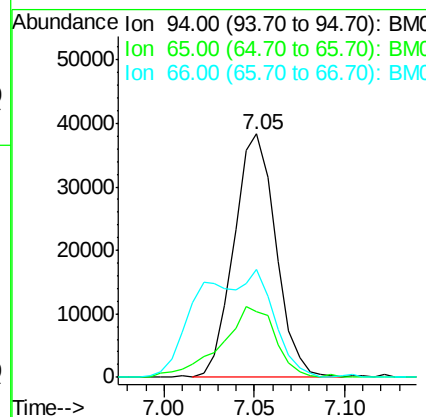
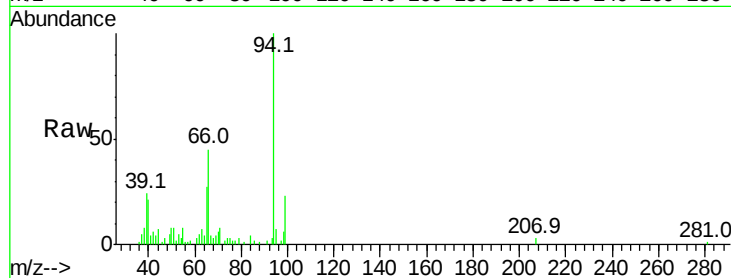
66 44.5 47.2 70.8#

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#69

Phenanthrene

Concen: 15.062 ng/ul

RT: 17.27 min Scan# 2411

Delta R.T. -0.01 min

Lab File: BM012587.D

Acq: 30 Oct 2017 23:26

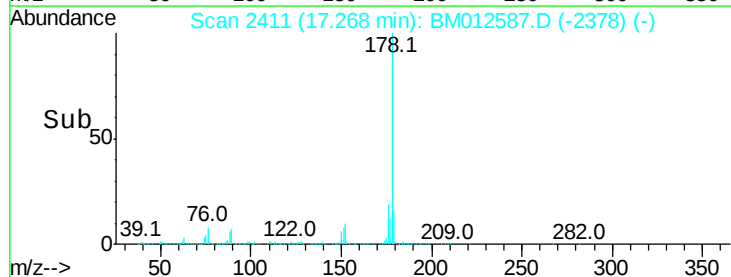
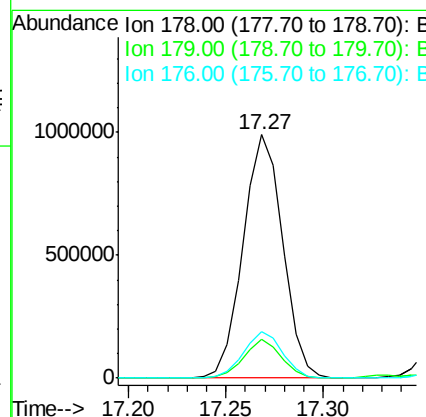
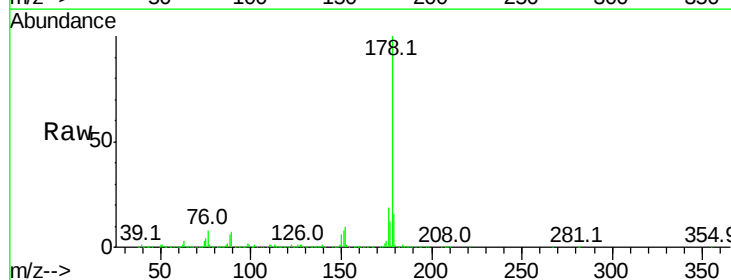
Tgt Ion: 178 Resp: 1385114

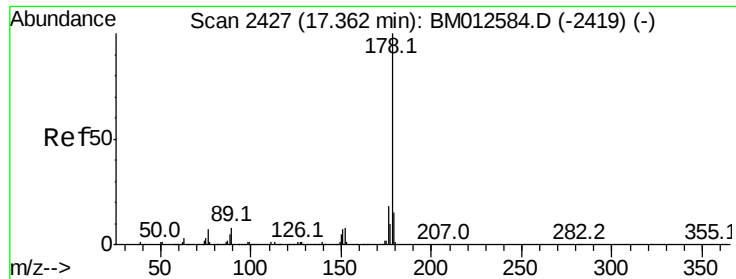
Ion Ratio Lower Upper

178 100

179 15.8 12.6 19.0

176 19.2 14.9 22.3





#71

Anthracene

Concen: 1.992 ng/ul

RT: 17.36 min Scan# 2426

Delta R.T. -0.01 min

Lab File: BM012587.D

Acq: 30 Oct 2017 23:26

Instrument :

BNA_M

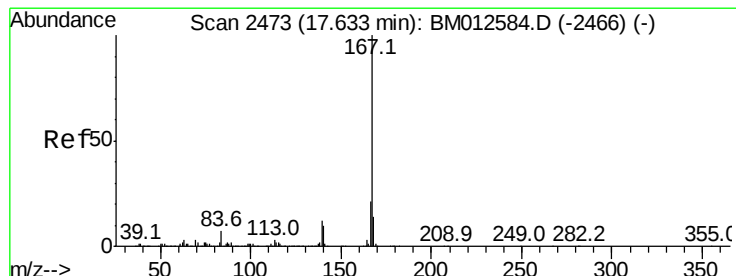
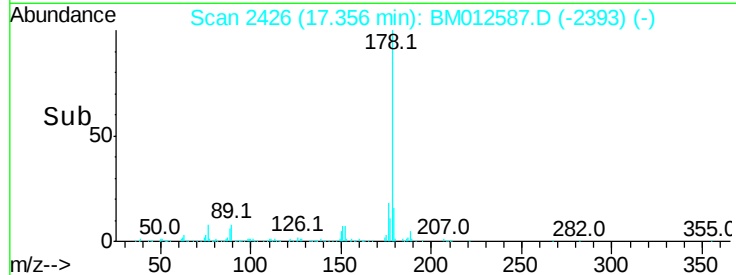
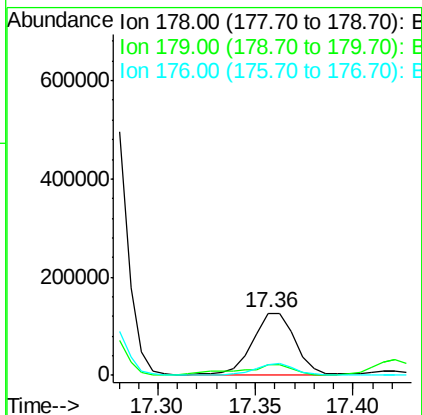
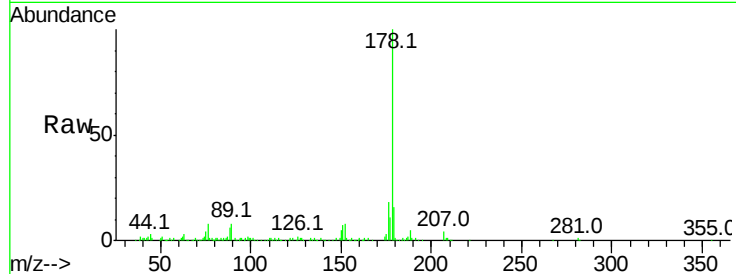
ClientSampled :

ESNE5

Tot Ion:	178	Resp:	189299
Ion Ratio	Lower	Upper	
178	100		
179	16.3	11.7	17.5
176	18.1	14.6	21.8

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#72

Carbazole

Concen: 1.978 ng/ul

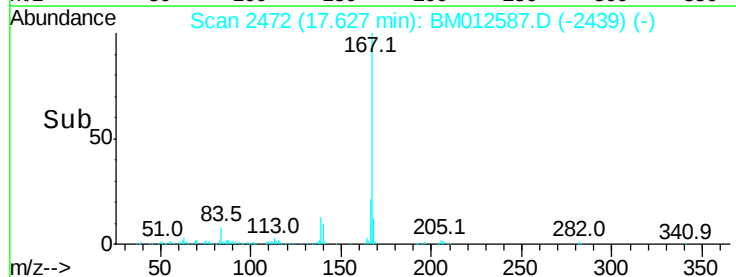
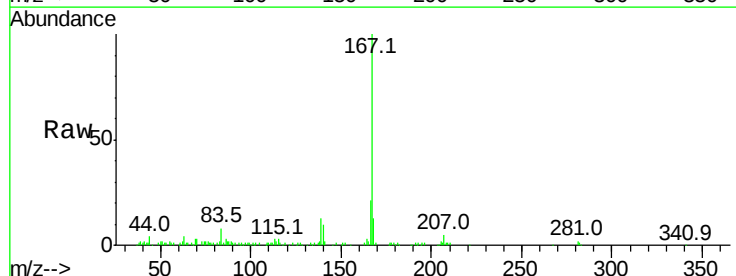
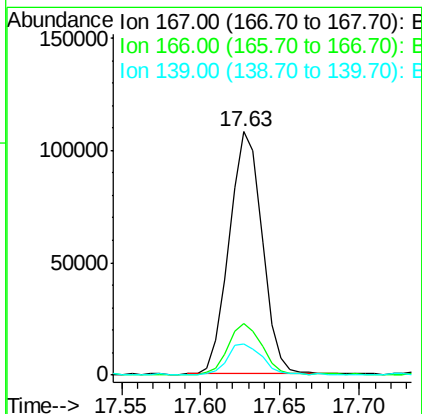
RT: 17.63 min Scan# 2472

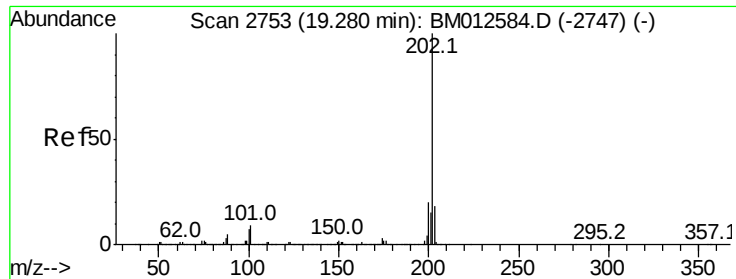
Delta R.T. -0.01 min

Lab File: BM012587.D

Acq: 30 Oct 2017 23:26

Tgt Ion:	167	Resp:	155692
Ion Ratio	Lower	Upper	
167	100		
166	21.1	17.1	25.7
139	13.0	10.0	15.0





#74

Fluoranthene

Concen: 42.303 ng/ul

RT: 19.28 min Scan# 2753

Delta R.T. 0.00 min

Lab File: BM012587.D

Acq: 30 Oct 2017 23:26

Instrument :

BNA_M

ClientSampleId :

ESNE5

Tot Ion:202 Resp: 4408026

Ion Ratio Lower Upper

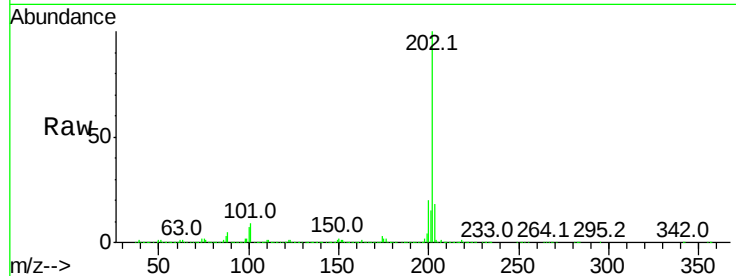
202 100

101 8.9 4.6 7.0#

100 7.0 3.4 5.2#

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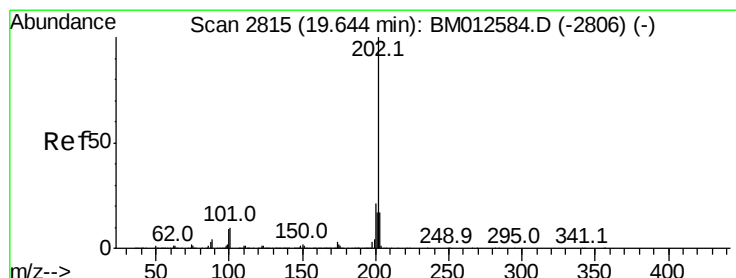
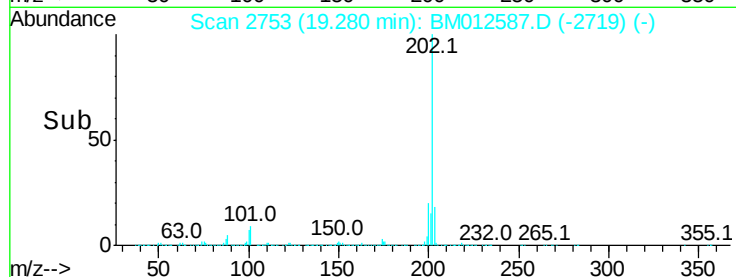
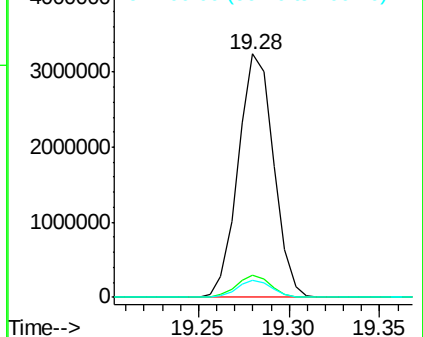
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Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B



#77

Pyrene

Concen: 31.129 ng/ul

RT: 19.64 min Scan# 2815

Delta R.T. 0.00 min

Lab File: BM012587.D

Acq: 30 Oct 2017 23:26

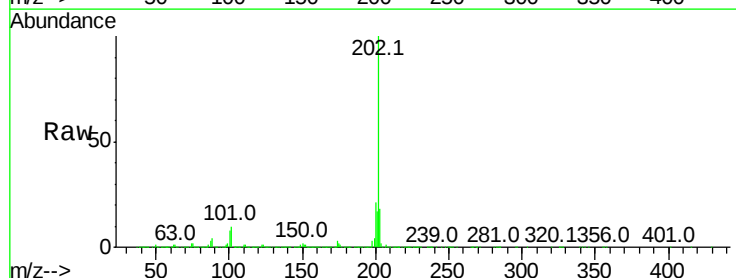
Tgt Ion:202 Resp: 3570217

Ion Ratio Lower Upper

202 100

101 9.9 5.1 7.7#

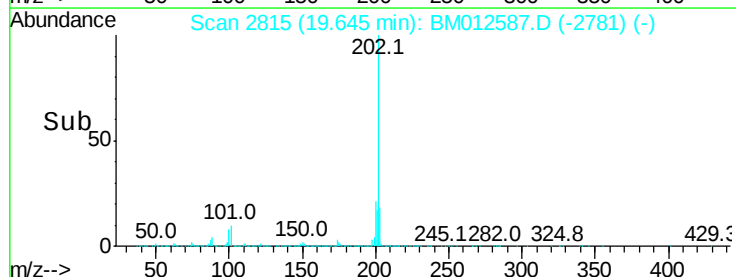
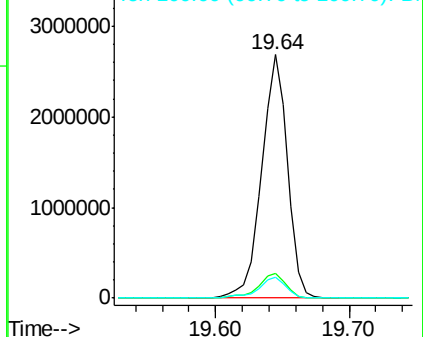
100 8.4 4.9 7.3#

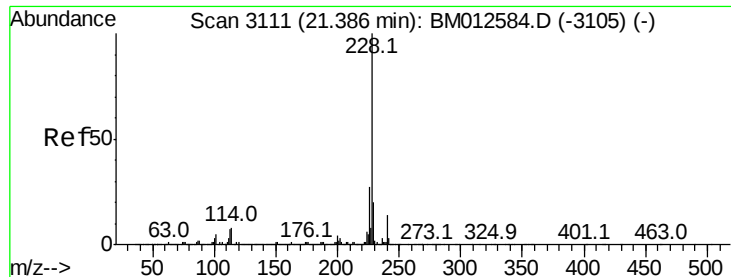


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#80

Benzo(a)anthracene

Concen: 15.514 ng/ul

RT: 21.39 min Scan# 3111

Delta R.T. 0.00 min

Lab File: BM012587.D

Acq: 30 Oct 2017 23:26

Instrument :

BNA_M

ClientSampled :

ESNE5

Tot Ion:228 Resp: 1873585

Ion Ratio Lower Upper

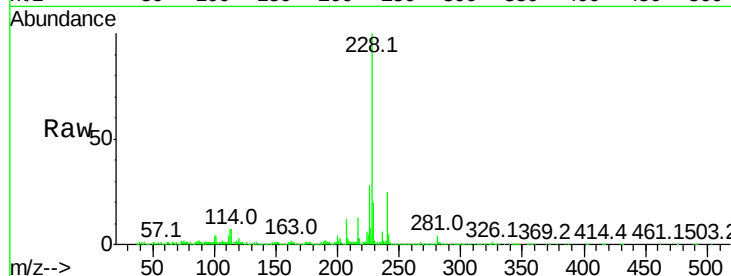
228 100

229 20.1 15.4 23.0

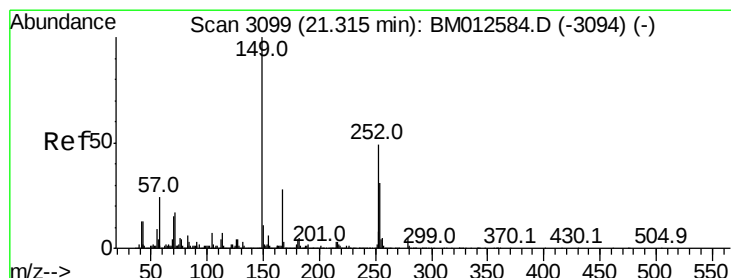
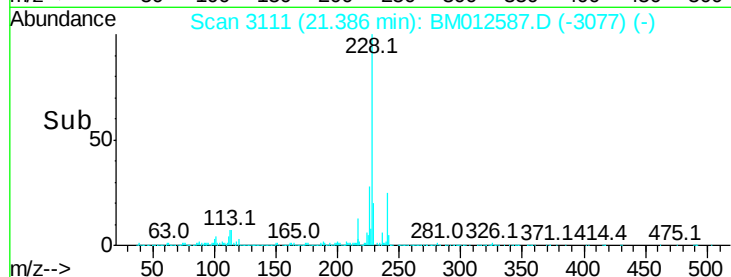
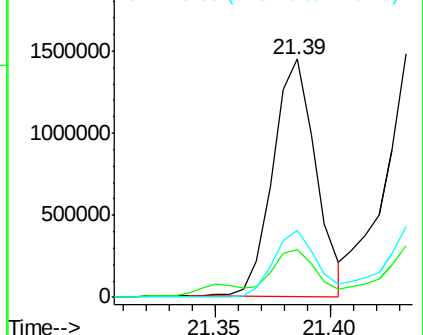
226 27.9 21.4 32.0

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Abundance Ion 228.00 (227.70 to 228.70): E
2000000
Ion 229.00 (228.70 to 229.70): E
Ion 226.00 (225.70 to 226.70): E



#81

Bis(2-ethylhexyl)phthalate

Concen: 1.012 ng/ul

RT: 21.32 min Scan# 3099

Delta R.T. 0.00 min

Lab File: BM012587.D

Acq: 30 Oct 2017 23:26

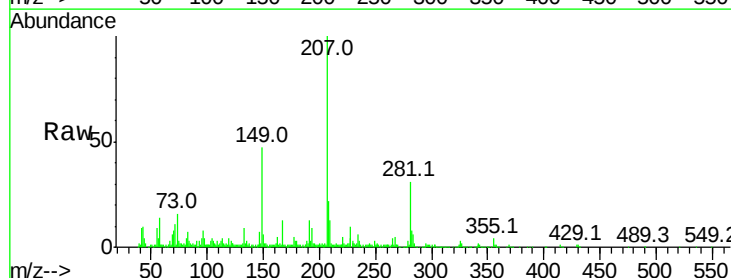
Tgt Ion:149 Resp: 69570

Ion Ratio Lower Upper

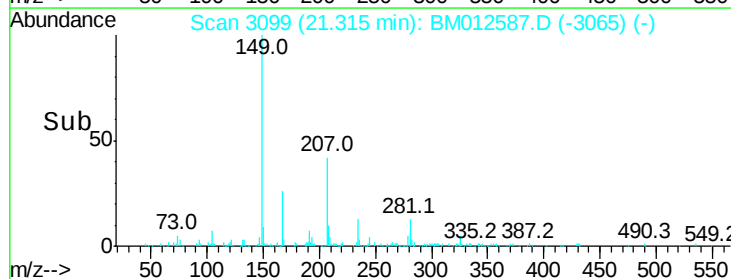
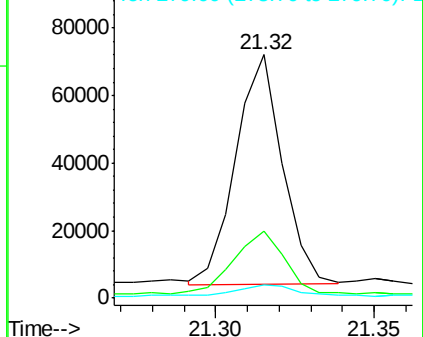
149 100

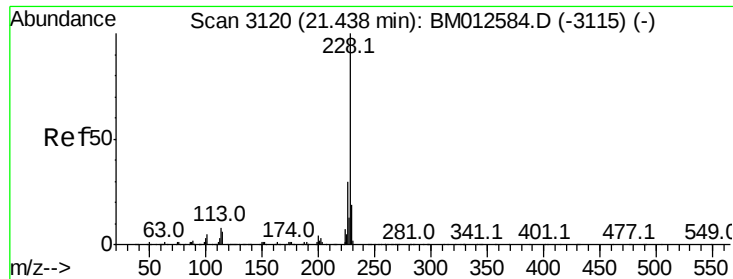
167 27.6 22.8 34.2

279 5.7 4.9 7.3



Abundance Ion 149.00 (148.70 to 149.70): E
100000
Ion 167.00 (166.70 to 167.70): E
Ion 279.00 (278.70 to 279.70): E





#82

Chrysene

Concen: 20.654 ng/ul

RT: 21.43 min Scan# 3119

Delta R.T. -0.01 min

Lab File: BM012587.D

Acq: 30 Oct 2017 23:26

Instrument :

BNA_M

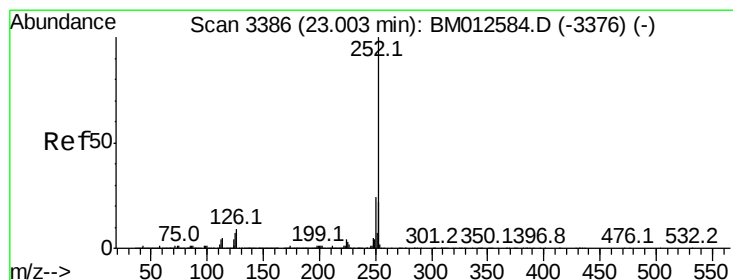
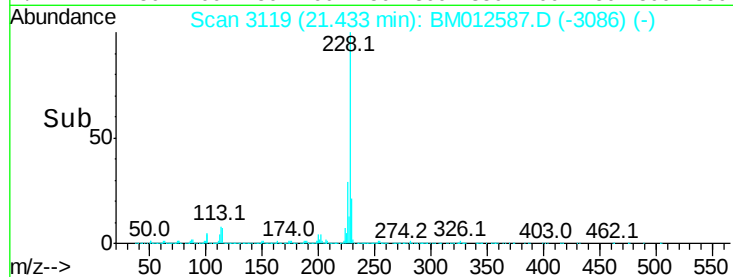
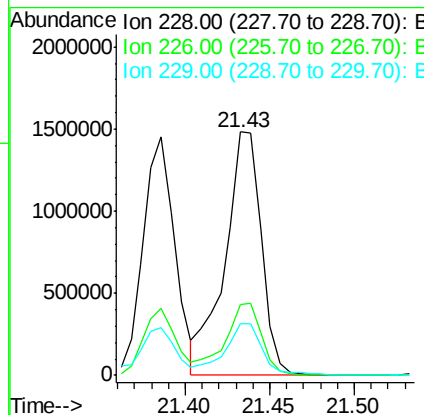
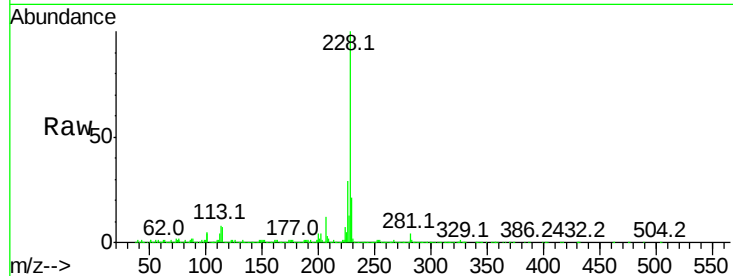
ClientSampleId :

ESNE5

Tot Ion:	228	Resp:	2217822
Ion Ratio	Lower	Upper	
228	100		
226	29.3	23.4	35.2
229	21.4	15.5	23.3

Manual Integrations
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#85

Benzo(b)fluoranthene

Concen: 25.267 ng/ul

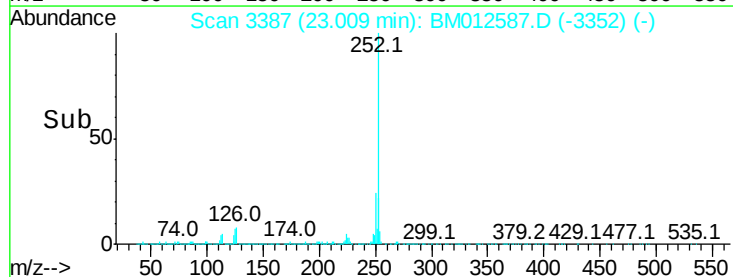
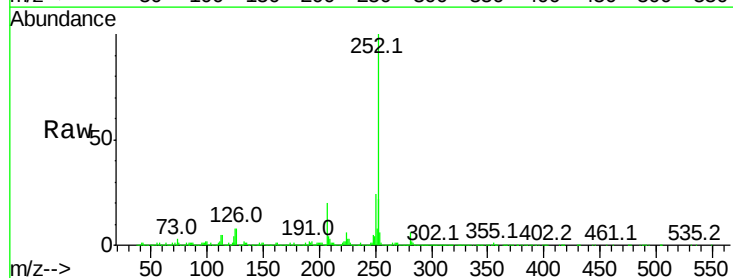
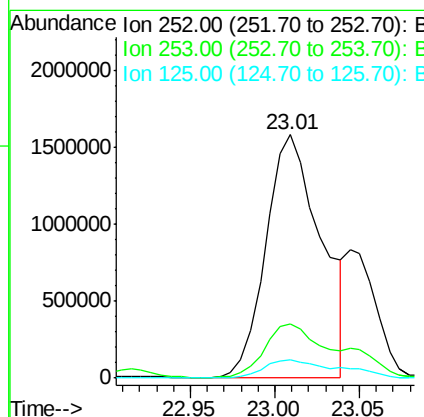
RT: 23.01 min Scan# 3387

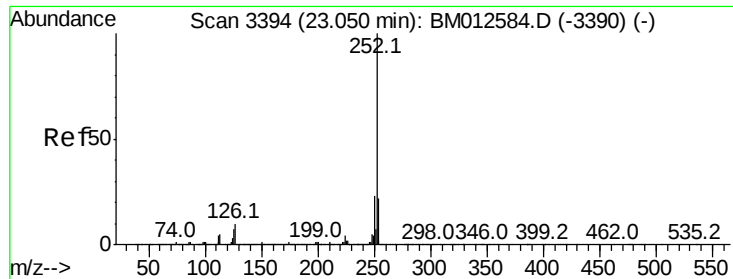
Delta R.T. 0.01 min

Lab File: BM012587.D

Acq: 30 Oct 2017 23:26

Tgt Ion:	252	Resp:	3578652
Ion Ratio	Lower	Upper	
252	100		
253	22.1	17.9	26.9
125	7.6	3.6	5.4





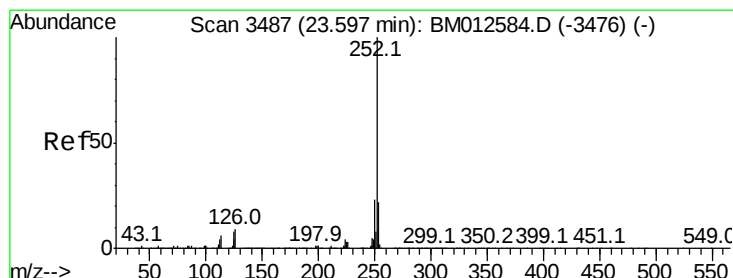
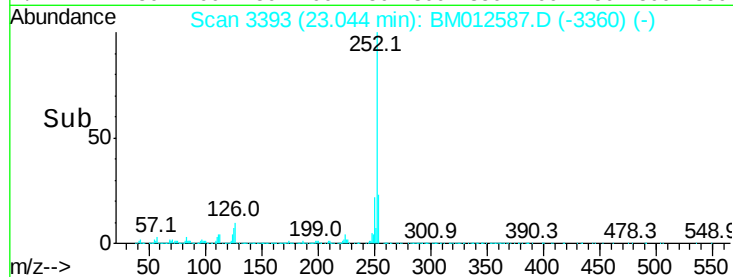
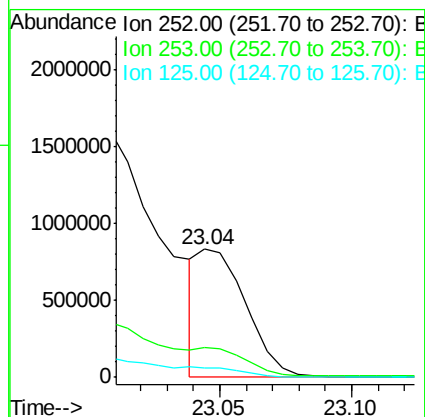
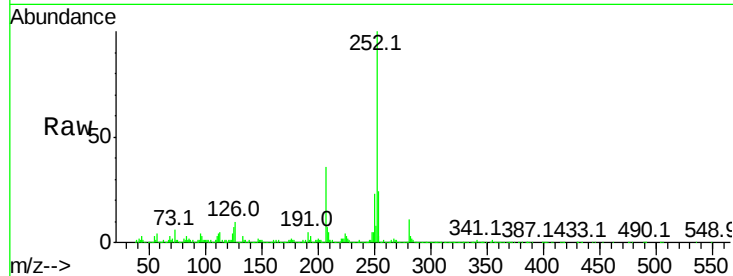
#86
Benzo(k)fluoranthene
Concen: 7.596 ng/ul m
RT: 23.04 min Scan# 3393
Delta R.T. -0.01 min
Lab File: BM012587.D
Acq: 30 Oct 2017 23:26

Instrument :
BNA_M
ClientSampleId :
ESNE5

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.7	17.1	25.7
125	7.5	3.4	5.2

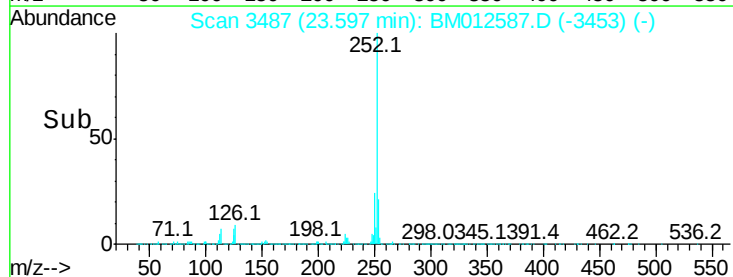
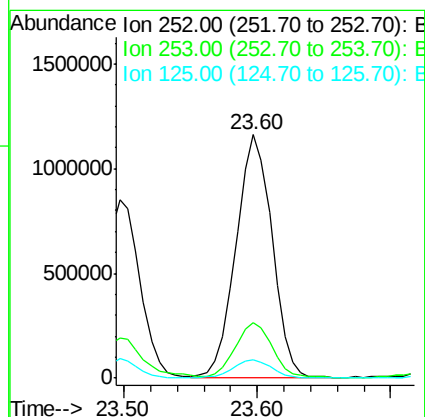
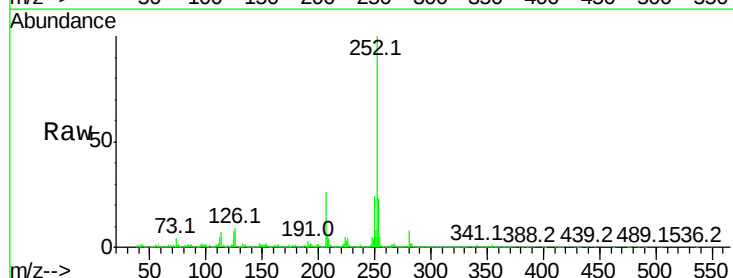
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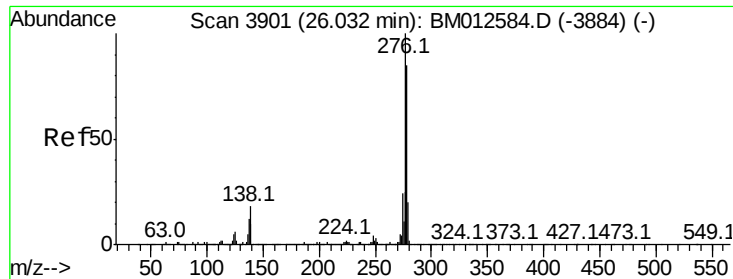
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#88
Benzo(a)pyrene
Concen: 16.046 ng/ul
RT: 23.60 min Scan# 3487
Delta R.T. 0.00 min
Lab File: BM012587.D
Acq: 30 Oct 2017 23:26

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.7	18.2	27.2
125	7.8	4.0	6.0





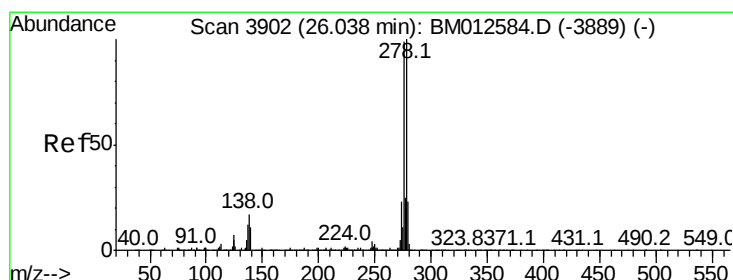
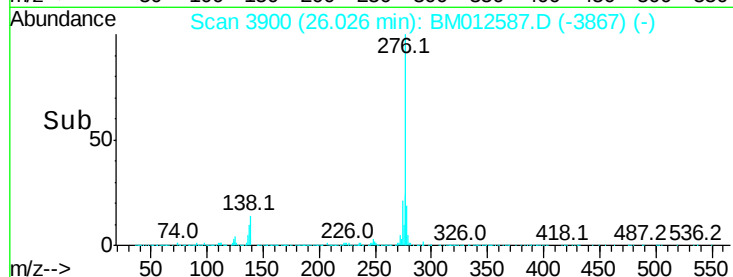
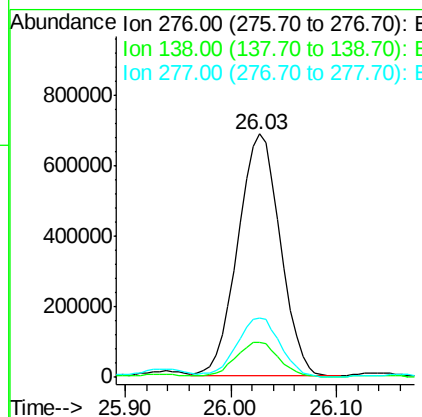
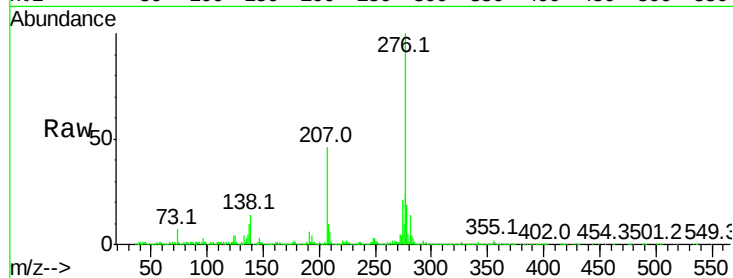
#89
Indeno(1,2,3-cd)pyrene
Concen: 12.044 ng/ul
RT: 26.03 min Scan# 3900
Delta R.T. -0.01 min
Lab File: BM012587.D
Acq: 30 Oct 2017 23:26

Instrument :
BNA_M
ClientSampled :
ESNE5

Tot Ion	Ratio	Lower	Upper
276	100		
138	14.2	9.3	13.9#
277	24.2	19.9	29.9

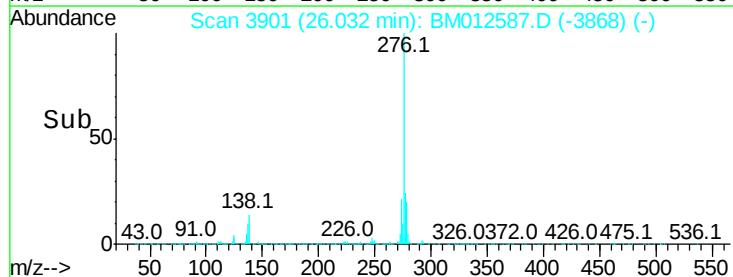
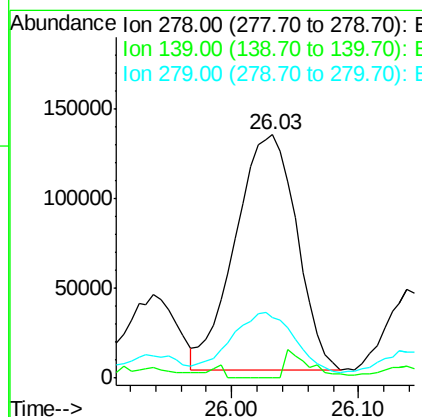
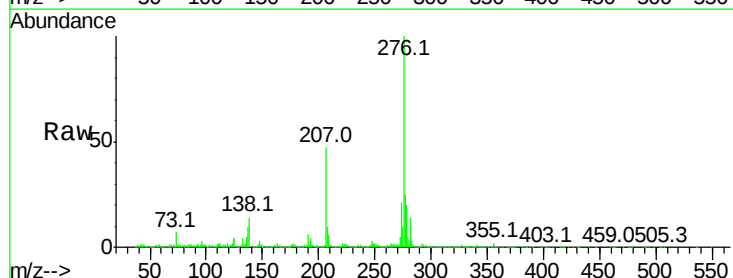
Manual Integrations
APPROVED

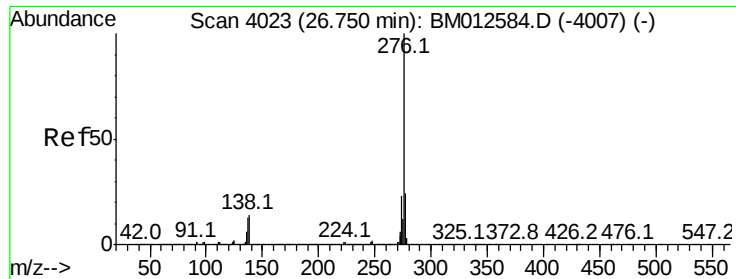
Sohil
10/31/2017 7:47:18 PM



#90
Dibenzo(a,h)anthracene
Concen: 3.284 ng/ul
RT: 26.03 min Scan# 3901
Delta R.T. -0.01 min
Lab File: BM012587.D
Acq: 30 Oct 2017 23:26

Tgt Ion	Ratio	Lower	Upper
278	100		
139	0.0	5.8	8.8#
279	24.9	18.6	27.8





#91
 Benzo(a,h,i)perylene
 Concen: 12.397 ng/ul
 RT: 26.74 min Scan# 4022
 Delta R.T. -0.01 min
 Lab File: BM012587.D
 Acq: 30 Oct 2017 23:26

Instrument :
 BNA_M
 ClientSampleId :
 ESNE5

Tot Ion	Ratio	Lower	Upper
276	100		
138	14.6	8.5	12.7#
277	23.7	18.6	28.0

Manual Integrations
 APPROVED

Sohil
 10/31/2017 7:47:18 PM

